

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: Lrware@aol.com  
Subject: B&K 747 back on the market again.... :-(  
Message-ID: <960922160521\_290636980@emout03.mail.aol.com>

Good Evening firebottle fans,  
Going into the third and final round here...  
(I've sold this thing twice now, and both times the buyers  
have backed out. No checks, and no response to repeated  
"Are you still interested?" e-mails... oh well, they just get  
added to my personal A\*\*\*\*\*e file... :-(

Once more I offer for sale one B&K 747B Dynamic Mutual  
Conductance tube tester. This unit is in POOR working condition.  
Could be great parts unit if you already have one,  
or project for someone with more time than me.  
I have photocopies of the owners manual & service manual.  
And a brand new original tube settings book, (latest rev.)  
All were recently purchased direct form B&K.  
Unit has a very, very beat plastic case, but is in good shape inside.  
Some scratches on panel. No rust or corrosion,  
all sockets seem to be in good shape.  
The bad news is that the "push to test" buttons are pretty shot,  
(very worn.)  
The manual copies and tube book set me back \$30, will accept  
\$40 OBO, plus shipping.

Will also consider almost anything in trade :-)

-Larry Ware  
lrware@aol.com  
Orlando, FL

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996  
From: Tim Richardson <tim@america.net>  
Subject: Re: BA's on WWII planes  
Message-ID: <2.2.32.19960922031525.0070f57c@america.net>

At 09:03 PM 9/21/96 -0500, Bob, VE7HS wrote:

>

>Ummm....yes. I went through another CAF B-17 that came through here in  
>August. That Vee shaped support beam in the middle of the bomb bay IS  
>sorta narrow, isn't it? They apparently were also up at Comox and one  
>spreading aficionado actually got stuck there. Then hung up on a belt,  
>etc. They eventually got him out the bomb bay (while on the ground :-))

>but it took a couple of hours. I KNOW I had to really suck in the old  
>gut going through there.

>

I went through a B-17 that stopped off here a couple of years ago. The radio position had a BC-348 and a couple of Command Set transmitters (all inoperable). Did not have the wire antenna strung up top either. That vee shaped beam in the bomb bay tried to keep my belt buckle and did manage to take off a button or two! Good thing I had enough common sense to stay out of the bottom turret.

Tim Richardson, WB4HZT, Acworth, GA <tim@america.net>

"Those who cannot remember the past are condemned to repeat it."-Santayana

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996

From: "Richard L. Duell" <rduell@iac.net>

Subject: Bliley Crystal Filter

Message-ID: <2.2.32.19960922145935.00684594@iac.net>

While rooting around my crystal box, I came across a Bliley Crystal Filter Unit, Type CF-1, Freq. 465 KC. I don't remember when or where I got it.

Anyone have the specs on this item and any idea what used it?

73, Rich - W5VDU

Somerville, OH

\*\*\*\*\*

"Don't look back. Something may be gaining on you." - Satchel Paige -

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996

From: avidov@juno.com (abe nutkis)

Subject: Re: BOATANCHORS digest 913

Message-ID: <19960922.014712.9342.1.avidov@juno.com>

ba 913 dropped dead near the end of post no.3-please repeat tnx

On Sat, 21 Sep 1996 22:13:54 -0500 (CDT) boatanchors@theporch.com writes:

> BOATANCHORS Digest 913

>

>Topics covered in this issue include:

>

> 1) Weekend = hamfest = EFJ Challenger manual, req'd pls.

> by Brien Pepperdine <pepperb@gov.on.ca>

> 2) ADMINISTRIVIA: ENUFF OF THE BALLOON THREAD!

> by List Admin/Owner BoatAnchor Mail List  
><listtown@jackatak.theporch.com>  
> 3) Books FS  
> by Eugene Rippen <soundval@foothill.net>  
> 4) More Books FS  
> by Eugene Rippen <soundval@foothill.net>  
> 5) Re: Faraday Question  
> by aa4rm%amos@mathcs.emory.edu (AA4RM's)  
> 6) BA Capacitance Tester (ZM-3A/U), CE sideband slicer  
> by "Ray L. Mote" <rmote@rain.org>  
> 7) Faraday and the boys  
> by wb6zwc@ns.net  
> 8) Re: CONELRAD/EBS equipment  
> by "William B. Ross" <billross@txdirect.net>  
> 9) Pre WW2 Ham Shack w/HRO  
> by Mike Maloney <ac5p@ionet.net>  
> 10) Re: CONELRAD/EBS equipment  
> by MODSTEPH@ACS.EKU.EDU  
> 11) Super Pro 110 pwr supply info needed.  
> by MODSTEPH@ACS.EKU.EDU  
> 12) --heath IG426 schem--  
> by rcmorris@mars.ark.com (ray)  
> 13) Hello from N2CQR/4  
> by Bill Meara <74537.1100@CompuServe.COM>  
> 14) Junker Hallicrafters Rcvrs Wanted  
> by Dave Hutchison <djhutch@concentric.net>  
> 15) Miscellaneous FS  
> by don merz <71333.144@CompuServe.COM>  
> 16) BA's on WWII planes  
> by "Benjamin D. Hall" <bdhall@ghgcorp.com>  
> 17) FS: Xtal. Cal., VTVM, Sig. Gen, Decade Box  
> by "Dick Dillman" <ddillman@igc.apc.org>  
> 18) Valiant, one more round  
> by "rodger b. singley" <rbsingl@rs6000.cmp.ilstu.edu>  
> 19) An R-390A Saga ...  
> by WA0HQH <tirevold@atl.mindspring.com>  
> 20) Re: CONELRAD/EBS equipment  
> by jml@innercite.com (Jim Lockwood)  
> 21) BA's on WWII planes  
> by RS@HAM.ISLAND.NET  
> 22) Fwd: DRAKE AC4 Power Supply FS: \$75  
> by "Dick Dillman" <ddillman@igc.apc.org>  
> 23) Fwd: FS: Heath SB200 Linear Amp  
> by "Dick Dillman" <ddillman@igc.apc.org>  
> 24) Fwd: FS: Drake R4 (original) receiver  
> by "Dick Dillman" <ddillman@igc.apc.org>  
> 25) WTB HV Connectors  
> by PGWH83A@prodigy.com ( BOB FRIESS)

>  
>-----  
>  
>Date: Sat, 21 Sep 1996 16:57:30 -0400 (EDT)  
>From: Brien Pepperdine <pepperb@gov.on.ca>  
>To: boatanchors@theporch.com  
>Subject: Weekend = hamfest = EFJ Challenger manual, req'd pls.  
>Message-ID:  
><Pine.OSF.3.93.960921164853.25024A-100000@govonca2.gov.on.ca>  
>  
>This time my luck ran .50 - the radio was there, but no manual.  
>Sometimes  
>is, but better than manual with no radio, I think.  
>  
>So... as is the norm post-fests, I join the weekend fray looking for  
>photocopy of a Johnson Challenger manual, in my case.  
>  
>Usual pleas and condx apply re. copy and mailing costs paid.  
>(and to even the BA karma of provision, the manual copies I promised  
>to  
>those who scooped  
>stuff LAST weekend with no manuals will by copied and mailed in a  
>couple  
>days when I get  
>back to my office (and the nearby copy centre at lunch time) after a  
>classroom week learning something new to  
>terrorize hapless clients with).  
>  
>Another group of tubes getting ready to warm the winter ether, once I  
>have  
>paper that tells how one runs a Challenger (and of course the rest of  
>the  
>guts inside).  
>  
>  
>Brien  
>Toronto  
>  
>pepperb@gov.on.ca  
>  
>  
>-----  
>  
>Date: Sat, 21 Sep 1996 15:51:26 -0500 (CDT)  
>From: List Admin/Owner BoatAnchor Mail List  
><listown@jackatak.theporch.com>  
>To: boatanchors@theporch.com  
>Subject: ADMINISTRIVIA: ENUFF OF THE BALLOON THREAD!

>Message-ID: <9609211551.aa15238@jackatak.theporch.com>  
>  
>Gang-  
>  
>Yeah, it's the weekend, and yeah, every once in a while a \*little\*  
>off-topic probably doesn't hurt...  
>  
>\*BUT\*, this week, on the list, we have been subjected to some  
>horrendous puns about Faraday's Birthday, and even after being asked  
>to stop and take it elsewhere, the balloon thread continues.  
>  
>ENOUGH already!  
>  
>The subject is a general topic that could better be discussed in  
>several other venues, but it is NOT an appropriate topic for the  
>BoatAnchor list. (I admit, I'd rather read about balloons than listen  
>to people bitch about for sale techniques, but) we need to exercise a  
>little, just a smidgen, COMMON SENSE.  
>  
>The list is chartered to focus on vintage tube radios, and the folks  
>who designed, built, and operated them. This is simply NOT the place  
>for general ham topics or other inquiries that you might feel  
>comfortable asking of a group of friends. There are other places for  
>such discussions, and most of you know where they are... I'll help  
>re-direct those who really don't know about the "other venues".  
>  
>PLEASE let up and leave these off-topic threads alone to die of their  
>own inappropriateness... I'd don't want to have to play rough, but I  
>shall if necessary.  
>--  
>73  
>Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all  
>mobile! ;^)  
> - - - BoatAnchor Mailing List Archiver/Owner - - -  
>listown@jackatak.theporch.com ----  
>firebot1@jackatak.theporch.com  
>  
>  
>-----  
>  
>Date: Sat, 21 Sep 1996 12:29:38 -0700  
>From: Eugene Rippen <soundval@foothill.net>  
>To: boatanchors <boatanchors@theporch.com>  
>Subject: Books FS  
>Message-ID: <32444222.4AC9@foothill.net>  
>  
>ALLIED ELECTRONICS 1971 INDUSTRIAL CATALOG  
>Vol: Edition: 710

> Date: 01/01/71 Author:	G	
> 3.50		
>ANALYTIC GEOMETRY AND CALCULUS		Edition: 1
>Vol:		
> Date: 01/01/37 Author: MORRIS & BROWN	G	
> 4.50		
>ARRL ANTENNA BOOK		Edition: 13
>Vol:		
> Date: 01/01/74 Author:	G	
> 3.50		
>ARRL EMERGENCY COORDINATOR'S MANUAL		Edition:
>Vol:		
> Date: 01/01/84 Author: RILEY, EDIT.	VG	
> 2.00		
>ARRL FCC RULE BOOK		Edition: 4
>Vol:		
> Date: 01/01/85 Author:	VG	
> 2.00		
>ARRL FCC RULE BOOK		Edition: 6
>Vol:		
> Date: 01/01/86 Author:	VG	
> 2.00		
>ARRL FM AND REPEATERS FOR THE RADIO AMATEUR		Edition: 1
>Vol:		
> Date: 01/01/72 Author: MC MULLEN	G	
> 4.00		
>ARRL FM AND REPEATERS FOR THE RADIO AMATEUR		Edition: 1
>Vol:		
> Date: 01/01/72 Author: MCMULLEN, EDITOR	G	
> 3.50		
>ARRL FM AND REPEATERS FOR THE RADIO AMATEUR		Edition: 1
>Vol:		
> Date: 01/01/76 Author: MC MULLEN	F-G	
> 3.50		
>ARRL RADIO AMATEUR'S HANDBOOK 1949		Edition: 26
>Vol:		
> Date: 01/01/49 Author:	F, COVER CONSIDERABLE WEAR	
> 9.00		
>ARRL RADIO AMATEUR'S HANDBOOK 1952		Edition: 29
>Vol:		
> Date: 01/01/52 Author:	F-G	
> 12.00		
>ARRL RADIO AMATEUR'S HANDBOOK 1956		Edition: 33
>Vol:		
> Date: 01/01/56 Author:	G	
> 12.00		
>ARRL RADIO AMATEUR'S HANDBOOK 1963		Edition: 40
>Vol:		

> Date: 01/01/63 Author:	G-VG	
> 12.00		
>ARRL RADIO AMATEUR'S HANDBOOK 1974		Edition: 51
>Vol:		
> Date: 01/01/74 Author:	G	
> 12.00		
>ARRL RADIO AMATEUR'S HANDBOOK 1976		Edition: 53
>Vol:		
> Date: 01/01/76 Author:	VG	
> 12.00		
>ARRL RADIO AMATEUR'S HANDBOOK 1976		Edition: 53
>Vol:		
> Date: 01/01/76 Author:	G	
> 11.00		
>ARRL RADIO AMATEUR'S HANDBOOK 1976		Edition: 53
>Vol:		
> Date: 01/01/76 Author:	F-G	
> 9.00		
>ARRL RADIO AMATEUR'S HANDBOOK 1978		Edition: 55
>Vol:		
> Date: 01/01/78 Author:	G	
> 11.00		
>ARRL RADIO AMATEUR'S HANDBOOK 1978		Edition: 55
>Vol:		
> Date: 01/01/78 Author:	VG	
> 12.00		
>ARRL RADIO AMATEUR'S HANDBOOK 1981		Edition: 58
>Vol:		
> Date: 01/01/81 Author:	G	
> 10.00		
>ARRL RADIO AMATEUR'S HANDBOOK 1982		Edition: 59
>Vol:		
> Date: 01/01/82 Author:	G	
> 10.00		
>ARRL UNDERSTANDING AMATEUR RADIO		Edition: 1
>Vol:		
> Date: 01/01/63 Author: GRAMMER	F-G	
> 4.50		
>COMPLETE ALGEBRA, PRINTED 1883		Edition:
>Vol:		
> Date: Author: WENTWORTH	F, SM	PIECE SPINE COVER GONE
> 4.00		
>CQ NEW MOBILE HANDBOOK		Edition:
>Vol:		
> Date: 01/01/56 Author: ORR, ET AL	F, SM	
> 4.50		
>DIFFERENTIAL EQUATIONS		Edition: 1
>Vol:		

> Date: 01/01/33 Author: FORD G  
> 3.00  
>  
>ADD A TOTAL of only \$2 for each whole shipment.  
>Eugene Rippen, 105 Donnington, Auburn, CA 95603 No phone calls  
>please.

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996  
From: tomrice@netcom.com (Tom R. Rice)  
Subject: Re: CONELRAD/EBS vs. BROFICON  
Message-ID: <199609221616.JAA17248@netcom23.netcom.com>

>  
> The idea of everyone getting OFF the air in case of emergency,  
> and the 640 or 1240 stations switching transmitting locations  
> periodically is (I believe) the correct recollection. The idea being  
> that one could get emergency info by tuning to one OR the other  
> frequency, and while signal strength would change as transmitters  
> switched around, the received messages would still be complete for any  
> given area.

There was another, admittedly last-ditch, aspect to this system known as BROFICON (Broadcast Fighter Control). At the telephone switching offices were dedicated lines which would connect the local BC station through a net to the central military HQ (SAGE, for example).

The idea was to issue directions to our defensive fighter plans when all the other comm modes were knocked out!

That would have made good use of all those BC-band command sets.....

73 de WB6BYH

--  
"Start off every day with a smile and get it over with." --W.C.Fields  
Tom R. Rice  
tomrice@netcom.com  
CIS: 71160,1122

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: Spencer Petri <spetri@e-tex.com>  
Subject: Eico 232 VTVM  
Message-ID: <m0v4vuG-0002GTC@e-tex.com>

Hello to all the burned finger victims of BAs,



Has anybody got the info on the above instrument? Schematic and such.

73 de Pete WA5JCI

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: "Richard A. George" <wa6jox@rain.org>  
Subject: FS items  
Message-ID: <Pine.SUN.3.94.960922120629.6040A-100000@coyote.rain.org>

Still have the following items for sale. All prices include UPS shipping CONUSA. Please reply e-mail direct.

Lot 1: Mica compression trimmers 140 ea most are new larger BA type values include 10-140pf, 15-100pf, 10-175pf, and more Lot price \$25.00

Lot 2: Xmitting tubes and accesorrys. Includes 6ea 4-400 tubes, 3ea ceramic sockets and 1ea air system sockets, and 2 chimmneys and assorted plate caps. (note sockets and chimmneys also will fit 3-500z). Tubes are all untested pulls but some appear new. Lot price \$100.00

73 Dick K6KWQ

wa6jox@rain.org

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: "Richard A. George" <wa6jox@rain.org>  
Subject: FS items

Still have the following items for sale. All prices include UPS shipping CONUSA. Please reply e-mail direct.

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73 Dick K6KWQ

wa6jox@rain.org

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: "Richard A. George" <wa6jox@rain.org>  
Subject: FS items (fwd)  
Message-ID: <Pine.SUN.3.94.960922150548.19695A-1000000@coyote.rain.org>

All items are sold thanks

----- Forwarded message -----

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
Subject: FS National HRO (pre-war)

I have for sale a very nice pre-war National HRO receiver with seven plug in coil sets covering 200-400 KHz, and the BCB through 30 MHz. The rcvr is in very nice cosmetic and electrical condition. It has recently been realigned. The only minus is a missing small, cast metal cover for the right angle gear drive under the lid.

Included are a homebrew power supply and a matching National speaker/enclosure.

Buyer will pay insured Priority or parcel post shipping from my APO address to destination. For shipping estimates, figure New York City to your destination.

\$350

Dave Heil  
U.S. Embassy  
Helsinki, Finland

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\* \* \* \* \*  
\* NOTE: The message above is a re-post from the newsgroup rec.radio.swap. \*  
\* All replies \*must\* go to the person making the post, not me. \*  
\* \* \* \* \*

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
Subject: FS: Browning Eagle S-23 & R-27

The Eagle is in very good shape but needs a mike cartridge. \$300.00  
We ship UPS COD.

----- Forwarded message ends here -----

\* \* \* \* \*  
\* NOTE: The message above is a re-post from the newsgroup rec.radio.swap. \*  
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\* \* \* \* \*

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
Subject: FS: Drake 2-B Receiver

Drake 2-B Receiver in good cosmetic/electrical condition w/photocopied  
manual. \$175 + shipping

Dave Heil K8MN

----- Forwarded message ends here -----

\* \* \* \* \*  
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\* \* \* \* \*

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
Subject: FS: Drake 2-C Receiver

Real Clean, works great \$30.00

We ship UPS COD

----- Forwarded message ends here -----

\* \* \* \* \*  
\* NOTE: The message above is a re-post from the newsgroup rec.radio.swap. \*  
\* All replies \*must\* go to the person making the post, not me. \*  
\* \* \* \* \*

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
Subject: FS: Heath AT-1

Heath AT-1 CW Transmitter with 6L6 final in fine condition. No manual.  
\$95 + shipping

Dave Heil K8MN

----- Forwarded message ends here -----

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Fwd: FS National HRO (pre-war)  
Message-ID: <56998.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: Dave Heil <k8mn@clinet.fi>  
Newsgroups: usenet.rec.radio.swap  
From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Fwd: FS: Browning Eagle S-23 & R-27

Message-ID: <56987.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: Skipshooters@Digiforest.com <Skipshooters@Digiforest.com>  
Newsgroups: usenet.rec.radio.swap  
From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Fwd: FS: Drake 2-B Receiver  
Message-ID: <57011.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: Dave Heil <k8mn@clinet.fi>  
Newsgroups: usenet.rec.radio.swap  
From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Fwd: FS: Drake 2-C Receiver  
Message-ID: <56993.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: Skipshooters@Digiforest.com <Skipshooters@Digiforest.com>  
Newsgroups: usenet.rec.radio.swap  
From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Fwd: FS: Heath AT-1  
Message-ID: <57004.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: Dave Heil <k8mn@clinet.fi>  
Newsgroups: usenet.rec.radio.swap  
From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Fwd: Gear for sell  
Message-ID: <57016.ddillman@igc.apc.org>

The post below has been edited to remove non-BA items.

----- Forwarded message begins here -----

From: john <mstrjl@postoffice.worldnet.att.net>  
Newsgroups: usenet.rec.radio.swap  
From boatanchors@theporch.com Sun Sep 22 17:18:29 1996

Subject: Gear for sell

1. Drake TR4-C transceiver. With MS4 speaker, AC4 power supply, and original manual. Rig is excellent cosmetic and electric (9 to 9 1/2). Alignment is good. \$360.00 shipped.
2. Drake R4-A receiver. With MS4 speaker, 2 xtra crystals (one is WWV time standard 10mhz) and original manual. Rig is excellent cosmetic and elecetric (9 to 9 1/2), and super clean. Alignment is good. \$160.00 shipped.

Condition is as stated. These are nice rigs...no junk, no surprises. They're boxed and ready ship upon receipt of money order or cashiers check. Will ship UPS insured, and provide you with tracking number.

E-mail only please.

Thanks - John

----- Forwarded message ends here -----

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: spr@earthlink.net (Scott Robinson)  
Subject: Re: HP 400 repair  
Message-ID: <v01530502ae6af556d100@[153.36.85.98]>

Folks,

I fixed one of these once and found a noisy leaky mica (yes, mica) capacitor-one fo the screen bypasses. Changing that fixed it.

Regards,

Scott Robinson  
spr@earthlink.net  
"Wait'll he puts on his stereo headphones..."

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996  
From: "Joseph W. Pinner" <kc5ijd@dns1.net-connect.net>  
Subject: HP200CD parts needed  
Message-ID: <199609221253.HAA04419@dns1.net-connect.net>

Help!

In working on my newly acquired HP200CD oscillator, I managed to break both lamps in the bridge circuit.

I need two 8A/S6 candlelabra base lamps. Indications are that they were made by GE.

73

Joseph W Pinner  
Lafayette, LA  
KC5IJD  
EMail: kc5ijd@net-connect.net

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996  
From: Jeffrey Herman <jherman@hawaii.edu>  
Subject: Locating power pole noise  
Message-ID: <Pine.GS0.3.93.960922062454.24698A-100000@uhunix5>

I just read a note on the TopBand list that contained a great idea for determining which power pole might be causing noise problems: Armed with an AM BC portable and a 5 pound mall hammer, the fellow tapped on each suspicious pole; when he hit the guilty pole he heard great variations in the noise level. Wonderfully simple!

I would imagine the power company really appreciates knowing exactly which pole is causing the trouble, and that might even mean a faster response on their part.

Jeff KH2PZ / KH6

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996  
From: Bob Rolfness <rsrolfne@atnet.net>  
Subject: Misc.  
Message-ID: <32454507.7CB@atnet.net>

Hello -

First a big thanks to Terry KI7M of the list for the "heads up" about the Portland, OR ham fest this weekend. I ended up being able to attend for a couple hours and enclosed this mini report.

Of the several BA items noted were a couple BC 348 receivers, asking price was in the order of \$65. Also noted a 75A4 for \$495. They hadn't sold in the first several hours.

Also spotted what looked to be very complete and high quality BC-654-A radio set. It was the most complete I have seen for years even with the canvas bags for the antenna components, although I think he was missing a power cable. Some of the power equipment was still in the original military packing material. The guy wanted \$400, but think was open to offers. I don't think it sold, so got his name and phone for any collectors here on the net. Its: Rudy Zvarick (503) 255-2227. [Please note. I just walked by and noted what looked to me to be somethhing a little unique, I have NO interest and do not know Rudy. You're on your own]

But, you can't get to one of those shows with out getting something. [My wife is in the other room <grin>] So, a little EICO model 723 sixty watt CW novice transmitter followed me home. Can anyone supply me with a copy of the electrical drawing and or circuit description? Of course, I'll pay any costs.

Again, a big THANKS for the help and enjoyment I get from all on the list.

73's Bob W7VZX

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996  
From: pmills@A.crl.com (Phil Mills)  
Subject: more R390A questions??  
Message-ID: <199609221326.AA26876@A.crl.com>

I got a CV591A/URR SSB converter when I got the 390A....is this the correct unit for the 390A? Can anyone provide me with a manual copy for it?

The chassis of the 390A is hot a/c wise. Just guessing without further troubleshooting that the little filter unit where the a/c enters the chassis is the culprit. Is this typical? Is there a replacement for this filter? Or, do I just follow the instructions stenciled on the rear of the chassis and make sure it is grounded



before I plug it in?

thanks,  
Phil

Phil Mills, AB5TH               \*\*\*\* Wanted -- Tek 3A1 plug-in       \*\*\*\*  
pmills@a.crl.com               \*\*\*\*               -- 1957 ARRL Handbook       \*\*\*\*  
713-992-5762  
Friendswood, TX   (south of Houston)

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Re: more R390A questions??  
Message-ID: <56966.ddillman@igc.apc.org>

On Sun, 22 Sep 1996 08:26:34 -0500 (CDT),  
Phil Mills <pmills@A.crl.com > wrote:

>I got a CV591A/URR SSB converter when I got the 390A....is this the  
>correct unit for the 390A?

I believe it's the "correct" unit but even if not they sure make a nice pair. I just had mine overhauled by Rick Mish of Miltronix and had the panel painted gloss black to match my black R-390A. In combination they make quite a visual impression... to those with certain tastes, of course.

>The chassis of the 390A is hot a/c wise. Just guessing without  
>further troubleshooting that the little filter unit where the a/c  
>enters the chassis is the culprit. Is this typical?

I don't believe mine was hot but Rick reported power supply modifications, possibly made by the military, that seemed to make no sense. I believe other '591 owners reported similar modifications on the list. In any case, Rick returned everything to its stock state. At \$150 plus shipping for the complete overhaul and alignment, I feel I got my money's worth.

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996  
From: john <johnmb@mindspring.com>  
Subject: Mosley Rx FS  
Message-ID: <2.2.16.19960922071728.21bf72de@pop.ral.mindspring.com>

Someone on here was looking for a Mosley rig..... the following was  
snipped from r.r.s:

CONTACT DAVE, NOT ME!

-----  
Path:  
nntp0.mindspring.com!news.mindspring.com!www.nntp.primenet.com!nntp.primenet  
.com!enews.sgi.com!news.sgi.com!news.msfc.nasa.gov!newsfeed.internetmci.com!  
in3.uu.net!nntp.inet.fi!news.funet.fi!news.cs.hut.fi!news.clinet.fi!usenet  
From: Dave Heil <k8mn@clinet.fi>  
Newsgroups: rec.radio.swap  
Subject: FS: Mosley CM-1 receiver  
From boatanchors@theporch.com Sun Sep 22 11:43:20 1996  
From: anthony@ix.netcom.com (Anthony Severdia)  
Subject: Re: National TV  
Message-ID: <199609220436.VAA27462@dfw-ix10.ix.netcom.com>

~

Michael Knudsen wrote well IMHO about this era. I recall  
the period just a bit differently. (I hope BAers don't mind  
some reflections ...for posterity(?) <g>).

>Yes, last year at the Elgin IL ARCI Radiofest, someone won a top  
>prize in the exhibits contest with a National TV. It was in a wood  
>or maybe partly clotch case (like my 1949 6" Emerson), but I think  
>it was wood. Seeing it was the first time I'd heard about National  
>trying to sell TVs, but then Halli tried it too.

The receivers of various manufacturers were called 7" and most  
gave a pretty respectable picture of roughly 4"x6". They all sold  
for about \$399 (big bucks in those days). National was in only for  
a short period but seemed be outpaced by Admiral, Emerson and  
Hallicrafters. Halli had a "gimmick" with the only push-button  
front end. The others were conventional rotary switches.

>Halli's used the same cabinet as some of their rx, but I doubt  
>any National cabinets were deep enuf to hold those long CRTs,  
>which were made for O-scopes.

Yes, the electrostatic CRTs were long, so depth was the major  
dimension. Admiral's was a plastic cabinet which, I think, was  
a first in TVs. (Tooling for plastic in those days cost a  
fortune ....for this one probably of the order of \$500K).

At that time, RCA was concentrating on 10" magnetic deflection units (the famed 630T chassis) at a whopping price until Admiral came into the market with a small console clone at around \$5-600 discounted. Admiral had a gimmick too: the turret tuner with individual RF and mixer modules for each channel, which proved to have good reliability. Many others followed with various designs but, as I recall, Admiral had a patent lock on their turret. (There were a couple of others who licensed the turret but I can't recall who ...perhaps Philco for one).

>Decent restorable TVs of this type are indeed worth \$100 to a TV collector. Yours is probably too new to have Channel 1 (aka 6mtrs) >which is useless but worth beeeeg bux to collectors.

Ya know, Mike ...I don't recall channel 1 on any sets. This was about the time that the old 5-meters (56-60 MHz) moved to 6-meters (50-54 MHz) and I did not keep track. (2.5-meters also moved to 2-meters). There must have been a lot of allocation changes then. Until then, the VHF ham bands were always in multiples of 2 going upward from 28-30 MHz.

>Moore's book says that both National and Halli quickly dropped out >of the cost-cutting cutthroat competition of TV sales.

Not surprising, is it? The marketing power of the big consumer oriented manufacturers was daunting. Do you remember, too, that the venerable Meissner Mfg. Co. was in TV for a while with 10" and 12" tube chassis (no cabinetry) which sold fairly well for custom installations? I bought a 12" one ...the horizontal deflection circuits were terrible. <g> A better one for custom was Fleetwood which came along a bit later and survived for quite a while.

>Wonder if National customers got tired of changing plug-in coils >for channels 7-13? (Just kidding :-) 73, mike k aa9rg

Ha, ha! Good joke! Thanks for the reflections, Mike.

73,        -=Tony=-        W6ANV

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Re: National TV  
Message-ID: <56955.ddillman@igc.apc.org>

On Sat, 21 Sep 1996 23:37:44 -0500 (CDT),  
Anthony Severdia <anthony@ix.netcom.com> wrote:

> Michael Knudsen wrote well IMHO about this era. I recall  
>the period just a bit differently. (I hope BAers don't mind  
>some reflections ...for posterity(?) <g>).

Thanks, Tony. I enjoyed your recollections.

> The receivers of various manufacturers were called 7" and most  
>gave a pretty respectable picture of roughly 4"x6". They all sold  
>for about \$399 (big bucks in those days). National was in only for  
>a short period but seemed to be outpaced by Admiral, Emerson and  
>Hallicrafters. Halli had a "gimmick" with the only push-button  
>front end. The others were conventional rotary switches.

But I remember a continuous tuning set. The family of a friend of mine had one in the mid-50s, I think a DuMont. Can you confirm that for me? Even then it fascinated me because of the possibility it might receive things \*other\* than TV!

<First set: 10" Admiral with AM/FM/Phono, 1948>

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: jbp@intac.com (Bill Scolnik)  
Subject: Re: National TV  
Message-ID: <199609222210.SAA01766@mailhost.intac.com>

Dick,  
Sometime around 1952/1953 I owned a Dumont TV with a continuous tuner. As I recall, it was called a Dumont Inputuner which I believe was written on the tuner somewhere. It tuned continuously from Channel 2 to 13. The one I owned was a very large console set with a 10 or 12 inch screen and I expect it was 6 or 7 years old when I got it.  
Regards,  
Bill S

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: Peter Heimbach <karl@tyrell.net>

Subject: Need help with Drake TR-4 Transceiver

Message-ID: <Pine.SUN.3.91.960922164505.14524A-100000@tyrell.net>

I picked up a nice Drake TR-4 a couple of weeks ago at a local hamfest. The radio works well, except it seems that the Vox delay is a bit too short for anything other than 25+wpm CW. With the Vox gain at max and Anti-Vox gain at a minimum, I can get about a one second delay before the T/R relay unlatches.

With the Vox/Anti-Vox set as the above, as soon as a microphone is plugged in, the Vox circuit keys the rig on just the slightest sound. Phone operation then requires reversing the settings of the Vox and Anti-Vox amplifiers from that described above. I would like to get about two seconds delay if it is achievable. Or perhaps, this is perfectly normal for this radio.

Does anyone have a solution or can offer any guidance? Bad Vox amplifier tube, 6EV7? Bad pot, (checks okay with a meter)?

Any help would be sincerely appreciated.

Tnx... de Karl - KD5LR

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996

From: Lrware@aol.com

Subject: notes on the HP 400C -or- firebottle meters are fun!

Message-ID: <960922152856\_483327081@emout10.mail.aol.com>

Good afternoon firebottle fans, today I will tell you the story of a canoe anchor firebottle meter, the HP 400C.

This fine example of HP engineering came to me courtesy of Stan Griffiths (Thanks Stan!) as part of a collection of misc. HP stuff I've acquired from him.

This is a small firebottle based AC meter with a 20 Hertz to 2 Mhz freq. response. Average responding, with RMS value on meter plate, this is typical of many early HP meters. Full Scale ranges from 1 mv to 300 V, with 10 MegOhm input. This meter is a 5% device out to 2 Mhz.

As received this unit was pretty clean, with only a badly cracked power cord showing need of work.

Out of the case it came, to have the power cord replaced and the spiders cleaned from the innards... Inside condition was very good, appearing to be completely virgin, no mods or modern

parts to be seen. Anti-Fungal (sp?) varnish everywhere, except some of the tubes, (No HP tubes left, but old as it is that is not surprising.) A quick run through the B&K 707 to see what kind of shape the firebottles were in, lead to one interesting item. 6AV5 in the power supply reg. circuit had been replaced with a 6AU5, hummm, not that bad a sub, but since I have the 6AV5, out comes the 6AU5, in goes the correct tube. Only other problem, one very weak 6AK5 in the amp string. We replace that one also.

Out comes the old variac, to bring up the old power supply slowly. 15 minutes later were up to 120V input, no smoke or other disturbing signs, so on to the next step...

A quick look at the B+ (30V high) convinces me this one needs a little work, the B+ will adjust into spec, and the ripple is well below spec.... hummm, changing the B+ in one of these things always means a complete calibration is required.

DC filament chain is good, right on voltage, low ripple, so I don't have to mess with that great hunking huge selenium rectifier in there.

(Replacing these is always a pain, because modern diodes produce much higher voltages in the same circuit.)

Set the B+ to spec, +220V at the B+ rail... OK lets see how far off the little thing is....

Fire up the sig gen and the HP 3400A (true rms) meter for a cal run. Getting roughly 60% of what it should read on the front panel meter. Not Good, should of stayed within 10% even with the B+ adjust.

A couple of tests later I have checked out the input attenuators, this is a common problem on units that have suffered front end overload. In this case the range attenuators all look good, the 60% of full scale problem is on every range... and the aux. output from the amp. string also is at about 60%....

OK, now we know the problem is in the amp itself...

These meters use a large amount of negative feedback to produce a flat frequency response.

The amplifier produces a uniform response from 20 Hz to 2 Mhz through a novel design where the tubes are effectively operated as triodes with a high load impedance at low frequencys and as pentodes with a low load impedance at high frequencys. This effect is obtained by the use of special value screen grid by pass capacitors, (400 PF and 1100 PF coupled to the neg. feedback line on V2, and ground on V3, V4, and V5.) And a split plate load resistor.

At low frequencys the by passing of the screen grids is not effective so that the tubes operate as triodes, with a load consisting of a 5600 ohm and a 8200 ohm resister in series. At high frequencys the by passing of the screen is effective so that the tubes operate as pentodes with a load consisting only of the 5600 ohm resister. In addition the cathode resisters of the tubes are not by passed at low frequencys so that cathode degeneration is obtained.

This system gives a uniform response which is further stabilized by the use of a negative feedback loop extending over the complete four tube amplifier.

(Most of the above is right from the HP manual, I understand it, but can't explain it any better than they can... :-)

Moving on... it wasn't working worth a darn...

Check the bias DC voltages here and there, most are sorta close but I'm not getting any warm fuzzys here... couple of the control grids have no negative bias... Hummm, looks like time to replace some old caps. Coupling caps in the signal path are old "Black Beauty" style .22 at 400V. They look OK, test OK on a low voltage cap tester, but replacing them all cured the problems. As each one came out for replacement and a new cap went in, I ran a test signal into the meter, about 10% more gain, and much better looking bias voltages with each stage. Finally had to back the main gain adjust on the amp, back to below where it started to keep from going over full scale.

OK, now we run the sig gen up to 2 Mhz, and trim the input cap for just the right amount of peaking.... Proper full scale reading at both 100 hertz and 2 Mhz... A quick check of all the ranges to make sure the front end attenuator tracks, and were done.

Moral of this story: If you have these caps (Black Beauty's) in your gear, get rid of the darn things! They don't age well, and leak just enough to drive you crazy.

-Larry Ware  
lrware@aol.com

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996

From: wb6zwc@ns.net

Subject: Re: notes on the HP 400C -or- firebottle meters are fun!

Message-ID: <199609222002.NAA24441@tomcat.ns.net>

At 02:31 PM 9/22/96 -0500, you wrote:

>Good afternoon firebottle fans, today I will tell you

=====

Gees-Larry, this cannot be true!!!!The audio amp in my Collins 20V3 has those little "black beauties": I even pulled them from the circuit and put the prescribed voltage across them----meter says ==real good.

So many bad comments almost lead me to believe they could fool a good tester==== now really!!!! Ofcours the Collins is only 35 years old.

>Moral of this story: If you have these caps (Black Beauty's) in  
>your gear, get rid of the darn things! They don't age well, and  
>leak just enough to drive you crazy.

>

>-Larry Ware

>lrware@aol.com

>

>

=====

Richard@Sacramento,Ca.

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996

From: Jeffrey Herman <jherman@hawaii.edu>

Subject: Old Valves

Message-ID: <96Sep22.065957hwt.188961@uhunix5.its.Hawaii.Edu>

>From wreck.radio.amateur.mess:

>I am currently looking at a box with over 150 old valves (brand new,  
>still in their boxes).

>Super Radiotron, Phillips, Mullard etc

>6XB6, 6AX4GT, 1S2A, 12BY7, 1X2B, 6CB6A, 6BM8, 6BV8

>to mention but a few types.

>

>I am trying to work out what their current worth is, if any, as to what

>I will do with them?

>(Sorry, only expressions of interest as yet!)

>

>Greg Pring

>greg.pring@dsto.defence.gov.au

Remember, respond to the seller (above), not the messenger (me).

Jeff KH2PZ / KH6

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996

From: jolson@intergate.net (James Olson)

Subject: Please recommend a crystal supplier

Message-ID: <199609221815.0AA16054@keystone.intergate.net>

With the closing of CW Crystals (at least rumor has it),  
I am looking for a new supplier of FT243 crystals.



Any recommendations?

Thanks,

James Olson,  
Powder Springs, GA

E-Mail: jolson@intergate.net

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: Bob Marsh <bmarsh@hicom.net>  
Subject: R-390 In Bad Shape  
Message-ID: <324585C6.5A21@hicom.net>

Hi everyone,

I just picked up an R-309 this morning that was given to me. This guy is in terrible condition. I got it home and tried to blow out probably 10 years of accumulated dust, but most of it has stuck to the surfaces. There's also some surface rust and corrosion of the aluminum parts.

Here's the particulars on the rig:

US Army Signal Corps  
R-390/URR  
Ser 979, Order 13602-PH 53  
Motorola Corp.

The radio is mostly complete except for missing RT512, The "Dial Lock" mechanism and knob, "Zero Adjust" knob and the two handles on the front. It even has the correct Amphenol AC power connector.

Before I start to disassemble the rig, give it a thorough cleaning, and then put it back together again to test it out, I'd like to hear from anyone who has done this before. To be honest, I'm not sure if it's restorable given it's overall condition.

If not, I'll part it out and use what I can in my R-390A, if any of the parts are compatible. I'll also make the parts available to the list members here.

It seems a shame to do this, but I'd rather see the parts go to restore another radio than wind up in the trash (not by me - I'd just put it up somewhere)

Assuming that it's not restorable, if anyone has a need for parts, drop me an E-mail. I'll be happy to swap for something I need, like FT-243 Xtals (CW

fregs), tubes, test equipment, whatever. Bear in mind that I'm NOT very technical, and have been into this only a short while. Also, I don't have a manual or schematic. You'll have to be very explicit as to what you need.

73 de Bob/KB2SGM

--

\*\*\*\*\*

Bob Marsh - KB2SGM <bmarsh@hicom.net> NJ-QRP #39 QRP-L #724.

CW, QRP, Homebrew & Boatanchors - What a Mix

"Jeez, is it REALLY supposed to do that?"

\*\*\*\*\*

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996

From: pmills@A.crl.com (Phil Mills)

Subject: R390A parts & Fair Radio??

Message-ID: <199609221505.AA28581@A.crl.com>

Does anyone know if Fair carries those octal plug-in electrolytics for the R390A? Does anyone know of another source?

thanks & 73,

Phil

Phil Mills, AB5TH

\*\*\*\* Wanted -- Tek 3A1 plug-in

\*\*\*\*

pmills@a.crl.com

\*\*\*\* -- 1957 ARRL Handbook

\*\*\*\*

713-992-5762

Friendswood, TX (south of Houston)

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996

From: pmills@A.crl.com (Phil Mills)

Subject: R390A question??

Message-ID: <199609221312.AA26630@A.crl.com>

I have just acquired an R390A....not operational of course. In looking the unit over, I've discovered that the 26Z5's have been replaced with those plug-in sand state things...these are marked 8029 and 28719-3564550. Has anyone else seen this done in a 390? And, some idiot replaced the 1/4 amp fuse in the B+ line with a 20 amp fuse...this obviously indicates some kind of power supply problem.

thanks,

Phil

Phil Mills, AB5TH

\*\*\*\* Wanted -- Tek 3A1 plug-in

\*\*\*\*

pmills@a.crl.com

\*\*\*\* -- 1957 ARRL Handbook

\*\*\*\*

713-992-5762

Friendswood, TX (south of Houston)

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996  
From: okasb@rex.mtv.gtegsc.com (Bob Okas)  
Subject: Seeking Heath Comanche manual  
Message-ID: <9609220830.AA17424@rex.mtv.gtegsc.com>

Gang,

I just \*had\* to pick up this pound puppy at the Foothill swap last weekend. At \$10, I figured I couldn't lose. After replacing the 6AQ5 audio final that had all of the vacuum let out, the son-of-a-gun plays pretty well! I need a copy of the manual to help me calibrate this beastie. Copying/mailling costs will be cheerfully reimbursed. Premium paid for an original manual.

Thanks,  
Bob - N3MBY/6 (for a few more days, at least)

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996  
From: "F r6fqHo!ht" <75121.100@CompuServe.COM>  
Subject: sideband slicer???  
Message-ID: <960922011802\_75121.100\_IHV43-1@CompuServe.COM>

Ray Mote said:

<<Also found a CE sideband slicer for \$15 in pretty good cosmetic shape.  
<<Is that worth hanging on an R-390A output?

Could someone put up a "lecture" on just what is a sideband slicer and how does it work. Why on a R390A output. Details appreciated, probably by many o us.

Regards from Hawaii,  
Raymond J. Cote

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
Subject: Re: sideband slicer???  
Message-ID: <Pine.ULT.3.95.960922095112.22576B-1000000@admin.aurora.edu>

On Sun, 22 Sep 1996, F r6fqHo!ht wrote:

> Could someone put up a "lecture" on just what is a sideband slicer  
> Why on a R390A output. Details appreciated, probably by many o us.

Well, Ray, a slicer is an outboard unit to be used with receivers that don't have a product detector and/or selectable sideband. They attached to the receiver IF and had the filtering, sideband selection, and product detector. I think most, if not all, were phasing units (like the Central Electronics).

E-mail broehrig@admin.aurora.edu                      73 de Bob, K9EUI  
CIS: Data / Telecom    Aurora University, Aurora, IL

From boatanchors@theporch.com    Sun Sep 22 11:43:20 1996  
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>  
Subject: Re: sideband slicer???  
Message-ID: <199609221526.KAA04402@dlep1.itg.ti.com>

At 01:14 AM 9/22/96 -0500, Ray Cote wrote:

>Could someone put up a "lecture" on just what is a sideband slicer and how  
does  
>it work. Why on a R390A output. Details appreciated, probably by many of us.

The Central Electronics Sideband Slicer provides two basic functions:

- 1) Product Detector and
- 2) phasing type sideband selector.

Additionally, some versions included a Q-multiplier. Another option was an additional IF amplifier.

By far the most generally useful function of the Slicer is the Product Detector which allows one to receive SSB without continuously riding the RF Gain control.

The most interesting feature of the Sideband Slicer (IMHO) is the phasing type sideband selector. This feature is unnecessary, of course, when used with a highly selective receiver like the R390A which already picks out just one sideband. When used with a broader bandwidth receiver intended for AM reception, the CE Sideband Slicer claims to provide 40 dB of alternate sideband rejection using the phasing principle, same as the phasing type SSB exciters just in reverse. This is kind of equivalent to cutting the receive bandwidth in half. (And works about as well as some of the phasing exciters did. ;-)

The Q-multiplier was another way to narrow the receiver bandwidth and the purpose of the additional IF amplifier was to allow tapping off the signal at a lower level in the receiver ostensibly to allow normal S-meter function.

I can't yet tell you how well it works with various receivers as I've not yet hooked mine up just studied the details a little. Hope this is the sort of into you wanted, Raymond.

Regards,  
Bill Sorsby, N5BU            bill.sorsby@dlep1.itg.ti.com  
Grapevine, TX 76051

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996  
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>  
Subject: Re: sideband slicer???  
Message-ID: <199609221532.KAA04673@dlep1.itg.ti.com>

At 09:49 AM 9/22/96 -0500, Bob Roehrig wrote:

>...I think most, if not all, were phasing units  
>(like the Central Electronics).

Pardon my ignorance, but were there others besides Central Electronics that used the phasing principle? I've got a Millen SSB adapter, but I don't believe it uses the phasing principle (although I've not yet gotten a manual for it to be able to check for sure).

Regards,  
Bill Sorsby, N5BU            bill.sorsby@dlep1.itg.ti.com  
Grapevine, TX 76051

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: "Grant Youngman" <nq5t@gte.net>  
Subject: Re: sideband slicer???  
Message-ID: <199609221640.LAA19154@mail1.gte.net>

> By far the most generally useful function of the Slicer is the Product  
> Detector which allows one to receive SSB without continuously riding the RF  
> Gain control.

Certainly, not all "sideband slicers" utilized the phasing method of sideband selection.

Some designs utilized a sharp bandpass filter in the audio range

(15-20Khz) as the sideband selection element followed by a product or exhalted carrier detector. The TMC GSB-1 is one such example, but there were others that used this method as well.

Grant/NQ5T

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Grant Youngman / NQ5T

nq5t@gte.net  
<http://home1.gte.net/nq5t/index.htm>

Double Oak, TX -- nr Dallas  
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From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: MODSTEPH@ACS.EKU.EDU  
Subject: Re: sideband slicer???  
Message-ID: <01I9S3N7TIG8000SVR@ACS.EKU.EDU>

The "sideband sslicers," converters, etc., came out as SSB became popular. They mainly added a product detector as an outboard attachment to one's present (diode detector) receiver, taking the IF out from the rcvr and putting it back in just before the audio stage.

Along the way, depending on the company and the model, it added other degrees of selectivity, fine tuning, etc... Of the ones I have used and observed, my favorite is the Hammarlund one which is basically all the selectivity and fine tuning stuff from their HQ-170/180 rcvrs, and the product detector, of course.

73, Al N5AIT  
modsteph@acs.eku.edu  
Allan Stephens  
Richmond, Kentucky  
LOOKING FOR (WTB): Morrow RTS-600S ps/spkr  
Multi-Elmac M-1070 ps  
Harvey-Wells APS-50 ps

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
Subject: Re: sideband slicer???  
Message-ID: <Pine.ULT.3.95.960922145013.24494A-1000000@admin.aurora.edu>

On Sun, 22 Sep 1996, Bill Sorsby wrote:

> Pardon my ignorance, but were there others besides Central Electronics that  
> used the phasing principle? I've got a Millen SSB adapter, but I don't  
> believe it uses the phasing principle (although I've not yet gotten a manual  
> for it to be able to check for sure).

RME, Lakeshore, and Hammarlund made some receiving adapters and there may have been others. There were quite a few transmitters that used the phasing method - Heath, Johnson, Hallicrafters (the HT-32 or 37 - one was filter, the other was phasing) come to mind. Again, probably others.

E-mail broehrig@admin.aurora.edu                      73 de Bob, K9EUI  
CIS: Data / Telecom    Aurora University, Aurora, IL

From boatanchors@theporch.com    Sun Sep 22 17:18:29 1996  
From: "David L. Thompson" <thompson@mindspring.com>  
Subject: Re: sideband slicer???  
Message-ID: <199609222122.RAA14084@itchy.mindspring.com>

> On Sun, 22 Sep 1996, F r6fqHo!ht wrote:

>

>> Could someone put up a "lecture" on just what is a sideband slicer  
>> Why on a R390A output. Details appreciated, probably by many of us.

>

Bob K9EUI answered:

>Well, Ray, a slicer is an outboard unit to be used with receivers that  
>don't have a product detector and/or selectable sideband. They attached  
>to the receiver IF and had the filtering, sideband selection, and  
>product detector. I think most, if not all, were phasing units  
>(like the Central Electronics).

>

We just had a discussion on slicers and full blown converters about 3 months ago (I have the HC-10 manual copies). The key is to make sure the slicer or converter matches the IF frequency..most were 455Khz (really adjustable 450 to 500Khz). The slicer added product detection for SSB, the converters such as the HC-10/SPC-10/CV series actually add another IF section and things like pass band tuning to receivers. The HC-10 is the most famous converter

and was incorporated into Hammarlund receivers such as the HQ145, HQ170, and HQ180.

The SPC-10 was the military version for the SP 600, and the CV series were for the R-388/390/TMC etc.

The old "New Sideband Handbook" by Don Stoner W6TNS has excellent discussions about both slicers (adapters) and SSB generators for transmit. You get the full scope of SSB from balanced modulators to the SSB generation methods. The handbook was published by CQ and is invaluable for those of us into early SSB. Read it and you will be an expert on circuits, early rigs, and how to build and tune up a linear. Pictures include Cosmophone, 10B, SB10, DSB100, TMC SBE-1, HT-33A, 600L, SSB-1000F, Bandhopper VFO among others!

Dave K4JRB

> E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
> CIS: Data / Telecom Aurora University, Aurora, IL  
>  
>

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: Tom Kelly <tjkelly@apk.net>  
Subject: Re: Solid State Replacements for 26Z5 in R-390A  
Message-ID: <32457FB3.4B9A@apk.net>

Phil,

Quoting from The Hollow State Newsletter, Vol 7, page 4: "Bill Bailey has informed us that when the 26Z5 tubes failed in military applications, they used plug-in solid state substitutes. They worked with no additional modifications. ... They carried such ID numbers as ED5902, EDI 8033, and STR,ST26Z5W,7942 (sic)."

I hope that gives you a useful lead to pursue. I would be interested in hearing what you learn.

Regards,  
Tom  
--

Tom Kelly  
Novelty, Ohio

mailto:tjkelly@apk.net



From boatanchors@theporch.com Sun Sep 22 17:18:29 1996  
From: merrigan@ee.ualberta.ca  
Subject: Re: Solid State Replacements for 26Z5 in R-390A  
Message-ID: <199609222009.PAA22259@uro.theporch.com>

WHICH: <32457FB3.4B9A@apk.net>  
WHEN: 09/22/96 at 01:04 PM (SystemDate:MDT)  
WHO: Tom Kelly <tjkelly@apk.net>  
WHAT: Re: Solid State Replacements for 26Z5 in R-390A.

I say:

> They carried such ID numbers as  
>ED5902, EDI 8033, and STR,ST26Z5W,7942 (sic)."

>I hope that gives you a useful lead to pursue. I would be interested in  
>hearing what you learn.

I have several of these plug in replacements. I broke open one of them  
(which was not potted); turned out to be nothing more exotic than a  
couple of HV diodes.

Shaun

--

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merrigan@nyquist.ee.ualberta.ca  
Electrical Engineering Student  
University of Alberta  
Edmonton, Alberta, Canada  
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"Smart is dumb: It is unwise to build too much intelligence into a  
self-replicating machine."

--Fischel's Law and Epitaph

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996  
From: Lrware@aol.com  
Subject: Student needed, Elmer please reply  
Message-ID: <960922111247\_314722286@emout07.mail.aol.com>

Good afternoon folks, as my collection of repaired, restored and otherwise usable collection of firebottle and sand-state test equipment continues to grow I face a small dilemma.... To Wit:

I now have a number of homemade mostly sand-state pieces of test equipment surplus to my needs. And a couple of firebottle based, very modified pieces. (Eico, etc.)

None of this stuff would ever be considered collectable.

Construction ranges from pretty good -to- thrown together.

Most items have experienced multiple mods since first built.

(And show it.... :-)

Most built in junk chassis and cases from cast off other stuff.

All at least sorta works, most works as designed.

List includes several power supplies, pulse gen, function gen, sine-square Eico sig gen, etc. etc.

I do have notes and/or photocopies of the magizene art. the design was based on, when it came from one.

Anyway, if there is an Elmer out there, with a poor but deserving student, I think I can help you...

I'd like to get the shipping costs, but would be willing to waive even that for the right cause.

In case of multiple responses, my standard rules will apply:

Winners will be determined by:

1) Tell me why you need/want them, points awarded for:

a,b) deleted this time...

c) Buying for someone your "Elmer-ing"

d) \*Making up an outrageous story of what you will use them for. :-)

\* For item "d" the taller and more unbelievable the better...

2) Bonus points to anyone who has sent me a manual, helped me find a part, or provided advice, (good or bad, it's the effort that counts. :-) or sold me something at a reasonable price.

Winners will be determined any darn way I feel like.

Judges decision is final.

-Larry Ware

lrware@aol.com

Orlando, FL

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996

From: Spencer Petri <spetri@e-tex.com>

Subject: Surplus Conversion Handbook (CQ)

Message-ID: <m0v4iJ6-0002DoC@e-tex.com>

Gang,

After reading the surplus conversion postings I thought I'd throw in my 2 cents worth.

I have the Surplus Conversion Handbook published by Cowan and it covers the following, as listed from the book:

ARA; ARC-1,3,4,5,36,49;  
ART-13;  
ATA;  
ATC-1;  
BC-191,224,312,314,342,344,348,375,453,454,455,457,458,459,603,604,620,624,625, 659,669,683,684,696,779,794,942,946,1004,1068A;  
CBY-52232;  
COMMAND RECEIVERS;  
COMMAND TRANSMITTERS;  
HQ-120,129X;  
PE-73,103;  
R10A,11A,22,23,24,25,26,27,28,112,129/U,148;  
RAT;  
RAV;  
RAX-1;  
RBD;  
RT-18/ARC-1;  
SCR-177,188,193,274N,399,499,508,509,510,522,528,542,608,609,610,628;  
SP-200,210,400;  
T15/ARC-5;  
T16/ARC-5;  
T17/ARC-5;  
T18/ARC-5;  
T18/ARC-5;  
T19/ARC-5;  
T20/ARC-5;  
T21/ARC-5;  
T22/ARC-5;  
T47/ART-13;

Anybody needing any of the above let me know.

73 de Pete WA5JCI

From boatanchors@theporch.com Sun Sep 22 11:43:20 1996

From: wj5j@juno.com (John D Hensley)  
Subject: Re: Surplus Conversion Manuals: I, II, and III.  
Message-ID: <19960921.220425.4791.8.wj5j@juno.com>

Hello John, Frank and BA net members:

Thanks to all interested in copies of the Surplus  
Conversion manuals. Now pay attention folks:

Franks's suggestion of \$10 per copy sounds quite square  
to me particularly if everyone that really wants one will say so  
now so that trips to process the requests are kept down. So  
that gives you volumes II and III for \$10 each. John can let  
us know if he has time to fool with it on Volume I and what  
his venture cost will be. Information that I have so far is:

Reposting the three volumes:

1. > < jlkolb @ cts.com > John Kolb has

>a Vol 1, which covers:

>

>BC-221

>BC-342, 312, 348

>BC-412

>BC-645

>BC-946

>SRC-274 (453A)

>SRC-274

>SRC-522

>TBY

>PE-103A

>BC-1068A/1161A

>Electronic surplus index

>cross index of A/N tubes

>Amateur frequency allocations

>

\*\*\*NOTE\*\*\* Paul Bernhardt, KF4FOR, has a volume 1  
produced by Evenson & Beach, 3rd Edition. He and John  
will check with each other to see if we are dealing with  
one or more than one series. My Vol. III (below), on the  
other hand, was produced by Editors & Engineers.

2. < frank\_adams@onf.com >

Frank has a Volume II: Surplus Conversion Manual #2, covering  
ART-13, TA-12-B/C, and many other units. Manual length is  
about 125 pages.

3. < wj5j @ juno.com >

I have a Volume III which applies to 35 or so different units; about 90 pages, not counting the covers, plus 5-6 additional for SCR 522 data. This was published by Editors & Engineers in 1960 out of New Augusta, Indiana.

The front cover  
highlights these:

701-A  
AN/APN-1  
AN/ART-13  
AN/CRC-7  
ARA  
BC-442, 453-455, 456-459, 603, 696,  
950, 1066, 1253  
CBY-29125, 50083, 50141, 52208-11,  
52232, 52302-09  
FT-241A (for crystal filter)  
MBF (COL-43065)  
MD-7/ARC-5  
R-9/APN-4  
R23-R28/ARC-5  
RAT, RAV  
RM-52 (53)  
RT-19/ARC-4  
SCR-274N  
SCR-522 (includes schematic & parts list)  
T-15/ARC-5 to T-23/ARC-5  
etc.

Anyone wanting copies please contact us individually  
so that we can put you on a list to make copies for.

73 to all,

Doug WJ5J

\*\*\*\*\* WJ5J / NNN0BXX \*\*\*\*\*  
Wanted: Mech filter switch & rear 2 eccentric gears,  
3kc & 1kc filters, Collins name tag, upper/lower cover,  
pwr xmfr, IF xmfr slugs, pwr xmfr: all for Collins r388a/51J4....  
Searching for KS1 p.s. for KL1, EV664 for parts, Nat'l  
rack spkr, coil holder, and xcal for HRO-60R. T I A.

\*\*\*\*\* wj5j @ juno.com \*\*\*\*\*

I

From boatanchors@theporch.com Sun Sep 22 17:18:29 1996

From: davemed@ix.netcom.com

Subject: SX-28A panel wanted

Message-ID: <1996922111755119169@ix.netcom.com>

I need a panel for a Hallicrafters SX-28A radio. Condition is not important so long as it can be restored. If any one has a junker and would be prepared to part out the panel I would like to hear from you. I will even buy the junker if necessary.

73 de Dave KI6QE/7